

Form PTO-1390  
(Rev. 12-2001) F&B (3/02)

U.S. Department of Commerce Patent and Trademark Office

TRANSMITTAL LETTER TO THE UNITED  
STATES DESIGNATED/ELECTED OFFICE  
(DO/US) CONCERNING A FILING UNDER 35 U.S.C. 371Attorney's Docket Number  
311706

U.S. Application No. (If known, see 37 CFR 1.5

EXPRESS PATENT NO. **EW 4154840 US**  
November 30, 2002 **10/516430**INTERNATIONAL APPLICATION NO.  
PCT/AU03/00676INTERNATIONAL FILING DATE  
05/30/2003PRIORITY DATE CLAIMED  
05/31/2002

## TITLE OF INVENTION

Maternal Antibodies as Fetal Cell Markers to Identify and Enrich Fetal Cells from Maternal Blood

APPLICANT(S) FOR DO/EO/US

Ralph Bohmer

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:


1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An **UNSIGNED** oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
14. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
15. ☐ A substitute specification.
16. ☐ A change of power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
18. ☒ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:
  - Certificate of Mailing Under 37 CFR 1.10 (1 page)
  - Credit Card Payment Form PTO-2038 (1 page)
  - Application Data Sheet (2 pages)
  - Preliminary Amendment (8 pages)
  - Specification (45 pages)
  - Drawings 2 Figures (2 sheets)
  - International Search Report (3 pages)
  - PCT Notification Concerning Submission or Transmittal of Priority Document (1 page)
  - PCT Notice Informing the Applicant of the Communication of the International Application to the Designated Offices (1 page)
  - Return Receipt Postcard

U.S. Application No. (if known, see 37 CFR 1.5) Not yet known <b>10/516430</b>		International Application No. PCT/AU03/00676		Attorney's Docket Number 311706	
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<p>21 <input checked="" type="checkbox"/> The following fees are submitted:</p> <p><b>BASIC NATIONAL FEE (37 CFR 1.492(1)(1)-(5)):</b>          Neither international preliminary examination fee (37 CFR 1.482)          nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO          and International Search Report not prepared by the EPO or JPO ..... <b>\$1110.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) not paid to          USPTO but International Search Report prepared by the EPO or JPO ... <b>\$ 920.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) not paid to USPTO          but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$ 770.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO          but all claims did not satisfy provisions of PCT Article 33 (1)-(4) ..... <b>\$ 730.00</b></p> <p>International preliminary examination fee (37 CFR 1.482) paid to USPTO          and all claims satisfied provisions of PCT Article 33 (1)-(4) ..... <b>\$ 100.00</b></p> <p style="text-align: center;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></p> <p>Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30          months from the earliest claimed priority date (37 CFR 1.492(e)).</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:20%;">CLAIMS</th> <th style="width:20%;">NUMBER FILED</th> <th style="width:20%;">NUMBER EXTRA</th> <th style="width:20%;">RATE</th> <th style="width:20%;"></th> <th style="width:20%;"></th> </tr> <tr> <td>Total claims</td> <td>34-20 =</td> <td>14</td> <td>x \$18.00</td> <td>\$252.00</td> <td></td> </tr> <tr> <td>Independent claims</td> <td>4-3 =</td> <td>1</td> <td>x \$88.00</td> <td>\$88.00</td> <td></td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td>+ \$300.00</td> <td>\$0</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td>\$340.00</td> <td></td> </tr> <tr> <td colspan="4"><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.</td> <td>\$725.00</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>SUBTOTAL</b></td> <td>\$725.00</td> <td></td> </tr> <tr> <td colspan="4">Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30          months from the earliest claimed priority date (37 CFR 1.492(f)).</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL NATIONAL FEE =</b></td> <td>\$725.00</td> <td></td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be          accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +</td> <td>\$</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;"><b>TOTAL FEES ENCLOSED =</b></td> <td>\$725.00</td> <td></td> </tr> <tr> <td colspan="4" rowspan="2"></td> <td style="text-align: right;">Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td style="text-align: right;">Charged:</td> <td>\$725.00</td> </tr> </table> <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.          A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to          Deposit Account No. 06-0029 A duplicate copy of this sheet is enclosed.</p> <p>d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should          not be included on this form.</b> Provide credit card information and authorization on PTO-2038</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b))          must be filed and granted to restore the application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO: <b>CUSTOMER NUMBER 35657</b></p> <p style="text-align: center;">November 30, 2004</p> <div style="text-align: center;">           SIGNATURE       </div> <p style="text-align: center;">ATTORNEY: Richard A. Nakashima          REG. NO.: 42,023</p>	CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	34-20 =	14	x \$18.00	\$252.00		Independent claims	4-3 =	1	x \$88.00	\$88.00		MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$300.00	\$0		<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$340.00		<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				\$725.00		<b>SUBTOTAL</b>				\$725.00		Processing fee of <b>\$130.00</b> for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$		<b>TOTAL NATIONAL FEE =</b>				\$725.00		Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$		<b>TOTAL FEES ENCLOSED =</b>				\$725.00						Amount to be refunded:	\$	Charged:	\$725.00
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10/516430

D709 Rec'd PCT/PTO 30 NOV 2004

## Certificate of Mailing under 37 CFR 1.10

Application Number	Not Yet Assigned
Filing Date	Herewith
First Named Inventor	Ralph Bohmer
Examiner Name	Not Yet Assigned
Attorney Docket Number	311706

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage in an Express Mail envelope bearing label number: EV 415484045 US, addressed to:

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on November 30, 2004.  
Date

  
Signature

Terrie Quillin

Typed or printed name of person signing Certificate

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Transmittal Letter to the United States Designated/Elected Office (DO/US) Concerning a Filing Under 35 USC 371	2 pages
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Declaration for Utility or Design Patent Application (37 CFR 1.63) Unsigned	2 pages
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Public PCT Application WO 03/102595 A1	48 pages
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